

**North American Numbering Council
Meeting Minutes
February 20-21, 2001 (Final)**

I. Time and Place of Meeting. The North American Numbering Council held a meeting commencing at 8:30 a.m., at the Federal Communications Commission, 445 12th Street, S.W., TW-C305, Washington, D. C.

II. List of Attendees.

Voting Council Members:

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| 1. John Hoffman | Sprint PCS |
| 2. Beth Kistner | ALTS |
| 3. Ed Gould | AT&T |
| 4. Wendy Potts | Bell Canada |
| 5. Randy Sanders | BellSouth |
| 6. Keith McIntosh | CWTA |
| 7. Lori Messing | CTIA |
| 8. Hon. Jo Anne Sanford | NARUC |
| 9. Greg Pattenaude | NARUC |
| 10. Peter Pescosolido | NARUC |
| 11. Helen Mickiewicz | NARUC |
| 12. Hon. Nancy Brockway | NARUC |
| 13. Dan Kearney | NARUC |
| 14. Natalie Billingsley | NASUCA |
| 15. Philip McClelland | NASUCA |
| 16. Barbara Meisenheimer | NASUCA |
| 17. Beth O'Donnell | NCTA |
| 18. David Bench | Nortel Networks |
| 19. Trent Boaldin | OPASTCO |
| 20. C. Courtney Jackson | OUR, Jamaica |
| 21. Harold Salters | PCIA |
| 22. Bill Adair | SBC Communications, Inc. |
| 23. Ron Havens | Sprint |
| 24. David Thompson | TIA |
| 25. Paul Hart | USTA |
| 26. Chuck Eppert | Verizon |
| 27. Anna Miller | VoiceStream |
| 28. Peter Guggina | WorldCom |

Special Members (Non-voting):

John Manning	NANPA
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Commission Employees:

Cheryl Callahan, Designated Federal Officer (DFO)
Deborah Blue, Special Assistant to the DFO
Sanford Williams, Acting Alternate DFO
Patrick Forster, Policy Division (PD), Wireless Telecommunications Bureau (WTB)
Jennifer Salus, PD, WTB

III. Estimate of Public Attendance. Approximately 60 members of the public attended the meeting as observers.

IV. Documents Introduced.

- (1) Agenda
- (2) NANPA Report to the NANC
- (3) NANPA Oversight Working Group Report to the NANC
- (4) Letter to Dorothy Attwood from John Hoffman submitting finalized NRUF Requirements Document
- (5) NANC Toll Free IMG Status Report & Status
- (6) Toll Free Technical Requirements Outline
- (7) LNPA Working Group Status Report
- (8) Wireless Number Portability Subcommittee Report
- (9) Cost Recovery Working Group Report
- (10) NANPA Fund Performance Status Report & Funds Projection, March 2000 - June 2001
- (11) CIC IMG Report
- (12) NANC Directory
- (13) NeuStar and NANPA Identification Report
- (14) Table of NANC Projects/Activities

V. Summary of the Meeting.

A. Opening Remarks. Chairman Hoffman reported that a transmittal letter for the NRUF Requirements Document has been provided to the NANC members for review. He advised that the Council will discuss and approve it during the NRO Report.

B. Approval of Meeting Minutes. Chairman Hoffman explained that the Commission staff is still in the middle of a transition and that the January meeting minutes would be provided electronically as soon as possible and approved at the next meeting.

C. North American Numbering Plan (NANPA) Report to the NANC. John Manning, NANPA, provided the report to the Council.

Update on NRUF. Mr. Manning reported that as of February 16 NANPA had received over 3800 502 forms. Over 2400 of the forms have been accepted without errors. A little over 500 forms have been accepted with some minor errors. The errors were common errors that NANPA has experienced in the past. Approximately 250 submissions were rejected. Mr. Manning explained that NANPA has worked through all of the submissions received on or before February 1, 2001 and has gone back to the service providers and identified their errors. NANPA is presently working on the submissions received after the February 1 deadline and will attempt to contact all of those service providers by the end of the week. Mr. Manning advised that on March 5 NANPA will begin to provide states access to the NRUF data. He encouraged carriers to sign up for the NRUF on file distribution list.

500/900 NRUF Reporting. Mr. Manning advised that based on instructions from the FCC, NRUF reporting is expected with the August filing cycle for 500/900 numbering resources. He reported that for the year 2000, NANPA assigned over 170 500 NXX codes and 109 were returned. NANPA is continuing to see requests for 500 assignments and informed the INC in September 2000 that the 500 resource could be facing exhaust as soon as February of 2002. Mr. Manning reported that NANPA surveyed carriers to determine the level of use of 500 NXXs. NANPA noted that many of the carriers that responded to the survey do not have customers using the 500 NXX. NANPA will be evaluating how to input 500 and 900 utilization data in the Form 502 beginning with the August 1 submission cycle. Once implemented, an NRUF must be on file in order to receive additional 500 and 900 resources.

Trent Boaldin, OPASTCO, expressed concern about the process. Mr. Boaldin explained that NRUF has always been about CO Codes. Paul Hart, USTA, expressed concern about telling his members that they have to follow this process, or they are not going to have resources. Peter Guggina, WorldCom, agreed and noted that 500 and 900 codes have utilization guidelines. Mr. Guggina questioned whether the NRUF form is the proper vehicle for collecting utilization information on 500/900 resources. He also questioned whether NANPA is verifying 500/900 usage is in compliance with the INC guidelines. NANPA advised that it is verifying proper use. Norman Epstein, INC, noted that the 500/900 guidelines allow for reclamation. If they are not being used for the right purpose, Mr. Epstein suggested that part of the guidelines can be beefed up rather than putting into effect a new process.

Cheryl Callahan, DFO, advised that NANPA has been in discussion with the FCC staff about this issue and how best to get a handle on the utilization levels for 500/900 resources. The Bureau has looked at the NRO Order and believes that it allows the FCC to require utilization reporting consistent with the NRUF reporting requirements. Ms. Callahan stated that she will take the concerns of the carriers back to the Bureau. She also stated that the NRO Order talks about numbering resources and not just geographic CO Codes.

Chairman Hoffman stated that NANPA should submit a contribution to INC so that guidelines can be prepared. Randy Sanders, Bell South, questioned whether other numbering resources, such as 700 numbers will have to be included in the NRUF. Mr. Manning noted that 500 and 900 numbers are assigned on an NPA NXX basis. In contrast, 700 is a resource that assigned by carriers. Mr. Manning stated that NANPA's intention is to introduce an issue at INC. Mr. Eppert, Verizon, stated that it is premature to consider an action item to INC to modify guidelines. Mr. Eppert suggested that we need to have more information and a better understanding of just exactly what the Order says, and what was the intent of the Order. Mr. Eppert advised that the NRUF form was not designed to address the use of 500/900 numbers.

Chairman Hoffman stated that the three elements of the action item should be: (1) at the March meeting summarize the existing INC requirements for obtaining a 500/900 number; (2) define the issue that NANC is trying to address; and (3) describe the request that NANPA proposes to make to INC.

Standardize Reports. Mr. Manning reported that NANPA will provide a weekly CO Code Activity Report. This report is presently available on the NANPA web site. Several enhancements were added to identify the actual assignment date of the code as well as whether or not that code was assigned as an initial or growth code. The report will be available in three different formats - text files, Excel spreadsheet files and a Microsoft Access database. Mr. Manning reported that the assignment date and future effective date will disappear once the effective assignment date is passed. Carrier information will be included once it becomes available in the LERG. Mr. Manning provided a copy of a sample report and gave a brief description of each field.

David Bench, Nortel Networks, questioned the process used to update information in the CO Code database when the carrier's name changes. Mr. Manning advised that, pursuant to INC guidelines, carriers are responsible for updating CO Code information. They must submit a Part 1 to advise of name changes.

Helen Mickiewicz, NARUC, stated that NARUC had not seen the materials included in the NANPA report until today. She indicated that there are more details that need to be worked out. She further suggested that discussions in reference to problems with the materials should be handled off-line instead of at NANC meetings. Chairman Hoffman explained that information on the standardized reports is not provided for NANC approval. These reports are provided to accommodate the needs of the states. He agreed that the details of the report contents should be discussed off-line. He suggested that NANPA and the states should continue to work cooperatively to refine the reports and report back to NANC in March or April.

Ms. Mickiewicz questioned the basis for distinguishing between the standardized reports versus enterprise services. Chairman Hoffman explained that the Commission's rules charging extra as an enterprise service authorizes NANPA to provide services outside of its contract as enterprise services. Mr. Manning explained that information on central office codes, namely unavailable codes, is part of the standardized report. Mr. Manning

noted that NANPA is also providing a monthly central office code activity report for 2001 and a month-to-month report of central office code activity in 2000.

Update on CO Code Contact Information. Mr. Manning presented a form that NANPA will post to the NANPA web site that will allow carriers to identify or make changes to their central office code contact information. Also additional or multiple contacts may be added. This form will be posted under the reclamation portion of the web page. Ms. Mickiewicz questioned why the form is relevant only to reclamation. John Manning agreed to change the title.

2000 NANPA Annual Report. Mr. Manning advised that the 2000 annual report will be available tomorrow.

D. NANPA Oversight Working Group (NOWG) Report. Pat Caldwell, Chair, presented the report to the Council. Mr. Caldwell gave an update of the 2000 performance review. NANPA demonstrated the Central Office Code Administration System to the NOWG, which is near completion. The NOWG will meet at NANPA's location in Washington to review the processes NANPA uses to manage the other resources such as the 500/900 numbers. Mr. Caldwell stated that the surveys are beginning to come in and encouraged all of the associations to contact their members. Responses are due March 9. A total of eight surveys have been received, two from NANC members. Mr. Caldwell encouraged more active participation in the NANPA Oversight Working Group. He reported that the NOWG continues to meet the deadlines for completing the NANPA Technical Requirements for the next contract. He expressed concern about the dwindling participation.

Mr. Caldwell explained the NANPA Performance Issue Escalation Process. Mr. Caldwell explained that this process is intended to review and track issues raised concerning NANPA's performance that need to be addressed outside of the survey process. Randy Sanders, Bell South, questioned whether this process supplants the dispute resolution process. Mr. Caldwell explained that the dispute resolution process would still remain and that this new process would address day to day issues. Ed Gould, AT&T, expressed concern that the NOWG has the resources to address claims and answer questions. Beth O'Donnell, NCTA, pointed out that in reference to the workload issue the Technical Requirements Document is once every five years. Ms. O'Donnell noted that Cox, who submitted an issue to the NOWG, was not concerned that the matter would be timely resolved.

Mr. Sanders expressed concern about consistency in the decisions. He questioned why Cox did not go directly to NANPA if the issues are minor. Mr. Sanders stated if the level of importance is high, he would like to know about it because he may be impacted by the decision. Chairman Hoffman expressed reluctance to take all of the discretion away from the NOWG. Chairman Hoffman inquired as to whether the members preferred to have the NOWG turn over to the NANC the issues that they think NANC should decide.

NANC members further discussed the process for addressing individual carrier concerns, but agreement was not reached as to the NOWG and NANC roles.

E. Numbering Resource Optimization (NRO) Working Group Report. Beth O'Donnell, NCTA, provided the transmittal letter to the NRUF requirements document. After further revisions, the Council approved the letter.

F. Industry Numbering Committee (INC) Report. Norman Epstein, INC Moderator, advised that there was no INC report to present to the NANC. The next INC meeting will be held in early March. The details will be posted on the INC web site.

G. Toll Free Issue Management Group (IMG). Ron Havens, Chair, presented the report. Mr. Havens advised that the IMG is focusing on technical requirements and is not working on structure or tariff issues. The IMG expects to finalize the proposed technical requirements at its March 9, 2001 meeting. Chairman Hoffman clarified that NANC directed the IMG to focus on technical requirements rather than competitive bidding issues. He expressed uncertainty as to whether the structure and tariff issues are part of the competitive bidding issues. Mr. Guggina suggested that the structure and tariff issues should be addressed even if they are not part of the competitive bidding issues. Everyone was asked to provide contributions for posting on the NANC Chair web page.

Helen Mickiewicz, NARUC, reported that the California pooling trials have received more thousands-block donations than assignments.

H. Local Number Portability Administration (LNPA) Working Group (WG) Report. Charles Ryburn and Brian Egbert, Co-Chairs, presented the report. Mr. Egbert advised the Council on the key issues for wireless number portability activation. The busy hours are expected to be noon to 8:00 p.m. Sunday through Saturday regional time or 11:00 a.m. to 10:00 p.m. Central Time. Busy days are expected to be Monday through Friday. Saturday activations are expected to be 75% of the busy days, and Sunday activations are expected to be 30% of the busy days. A letter will be sent to the North American Portability Management (NAPM) LLC to request Saturday and Sunday NPAC and time support.

Mr. Ryburn reported that the NAPM LLC has revised the statement of work (SOW) for NPAC/SMS release 4.0. The LNPA WG is still working on change orders for release 5.0. Mr. Ryburn provided an update on PIM 1 – Multi-Service Provider (Reseller) Flows, PIM 5 – Inadvertent Porting, and PIM 6 – NENA request for standard on unlocking/migrate transactions during porting.

Beth O'Donnell, NCTA, questioned whether the PIM 1 alternative is inherent to the problem. Mr. Ryburn advised that the LNPA WG is still reviewing alternatives.

The LNPA WG asked NANC to approve the requirement in PIM 5 that carriers provide 24 hour by seven day (24 x 7) emergency coverage to resolve inadvertent ports. The Council had an extensive discussion on inadvertent porting and possible resolutions. Mr.

Bench, noted that NIIF has a process for dealing with inadvertent porting, Issue 134. Nancy Brockway, NARUC, suggested that the resolution must be treated like the port never occurred from the customer's perspective. Mr. Guggina suggested that the process can be resolved by more carriers having 24 x 7 emergency coverage and that it is unnecessary to establish a costly process. The NANC agreed that the LNPA WG should reconsider PIM 5 to include 24 x 7 emergency coverage and NIIF issue 134 and present its final recommendation at the March NANC meeting.

J. Cost Recovery Working Group (CRWG). Anne Le Lena presented the draft Billing and Collection Agent Requirements Document for the next numbering administration billing and collection contract. NANC members were asked to provide comments to the CRWG, and the CRWG will represent the document for final approval at the March NANC meeting.

K. NBANC Report. John Ricker provided the report to the NANC. Mr. Ricker reviewed the status of the numbering administration fund. The current fund balance is \$6 million. Mr. Ricker advised that NBANC paid Mitre Corporation \$244,000 and expects to receive an additional invoice for \$50,000 this fund year. NBANC is still waiting for direction from the Commission on NANPA's request for an equitable adjustment. Mr. Gould requested clarification on the increased payables. Mr. Ricker explained that NBANC projected payables to the National Pooling Administrator beginning April 2001. Mr. Ricker advised that NBANC needs direction on the amounts to use for pooling in order to present the May report.

L. Carrier Identification Code (CIC) IMG Report. Bill Adair, Chair, reported that the group is proceeding on schedule. It recently received information on the number of switchless resellers. The IMG plans to submit a draft report at the March NANC meeting and a final report at the April NANC meeting.

M. NAPM LLC Report. Michael O'Connor, Co-Chair, presented the report. Mr. O'Connor advised that the testing for NPAC/SMS Release 3.0 has been stable over the last several weeks. Regional rollout is expected to commence March 19 in the Northeast Region. The next rollout will be the Western Region on April 2. Subsequent rollouts will occur every week thereafter – April 9 in the West Coast Region, April 16 in the Southeast Region, April 23 in the Southwest Region, April 30 in the Mid West Region, and May 7 in the Mid Atlantic Region. Phil McClelland, NASUCA, noted that some carriers may want to expedite the rollout in certain regions to allow implementation of pooling with Release 3.0.

N. Meeting Procedures IMG. Beth Kistner, Chair, advised that a revised draft of the meeting guidelines will be presented at the March NANC meeting.

Wednesday, February 21, 2001

Chairman Hoffman reiterated that working group chairs are to email their reports to John Manning, and copy the FCC staff, three to four days before the NANC meetings so that

he can post them on the NANC Chair web page. Members are to download the reports from the web page.

O. Steering Group Report. Peter Pescosolido, NARUC, presented the report. Mr. Pescosolido advised the Council of the change in the September meeting from September 18-19 to September 11-12. He reported that Chairman Hoffman received information on the “809 scam” where U.S. callers are fraudulently enticed to dial a number in the 809 NPA without realizing that it is an international call. Mr. Epstein, Verizon, volunteered to follow up on this issue if details are provided with the ten-digit number that is being dialed. The updated table of NANC projects was reviewed and approved.

P. Big Picture Discussion. The Council reviewed the joint SBC-WorldCom contribution that summarizes various number optimization strategies and NANP expansion options. Verizon also presented a contribution. The NANC had an extensive discussion on issues surrounding number optimization solutions and NANP expansion.

Mr. Gould suggested that it would be helpful to have a more accurate indication of when the NANP will exhaust based on all available data. Chairman Hoffman noted that the contributions assume that the outcome of the discussion will be a report on NANP expansion and place too little emphasis on alternatives that will extend the life of the NANP. He indicated that the outcome is dependent on the will of the group, which may or not be a report on NANP expansion. Mr. Bench suggested that NANP expansion and delaying NANP exhaust are dependent on costs. Ms. Kistner suggested that not enough attention is given to NANP expansion because some people mistakenly perceive that planning for expansion would be giving up on optimization. She recommended that NANC proceed with developing the best NANP expansion plan without regard to whether it is the only plan pursued. Ms. O’Donnell indicated that she is not convinced that the data suggests that NANP expansion is inevitable in the next ten years. She stated that alternatives, such as non-geographic portability, UNP, and ITN, are not band-aids. Ms. O’Donnell pointed out that more work is being done on NANP expansion than UNP and ITN. She pointed out that no one is putting out cost data related to NANP expansion or alternatives despite repeated attempts by the FCC to collect this data.

Chairman Hoffman pointed that there are about eight billion telephone numbers available in the NANP while approximately three billion are in use. He suggested that the NANC should propose ways to get at the unused numbers first before going to NANP expansion. Mr. Havens suggested that the industry should develop a system that identifies a person rather than a geographic location. He recommended that the NANC survey people to assess the purposes for which numbering resources are used. Mr. Gould agreed and suggested that a pin number could be used for billing.

Mr. Guggina suggested that NANC examine ENUM and closely monitor the lead-time that is needed to develop a new NANP. He recommended that NANC develop a long-term plan for NANP expansion and short-term plan to access the five billion stranded numbers. Ms. Mickiewicz noted that it may be difficult to project NANP exhaust. She suggested that it is unlikely that the NANP will exhaust in the next five to ten years,

especially in light of the results California is experiencing with the pooling trials. She agreed that NANC should plan for potential NANP expansion, but did not agree necessarily with the INC expansion options. Ms. Mickiewicz expressed concern about the cost of exhausting the NANP as well as the cost of expansion. Ms. Brockway noted that NANP expansion with five billion stranded numbers would be a serious public relations problem. Mr. Eppert suggested that the best way to get at stranded numbers is to develop geographic portability beyond rate center boundaries. Mr. Adair agreed that NANC should examine NANP expansion in a non-crisis mode and examine how numbers are being used at the NPA, NXX, and individual telephone number levels.

Chairman Hoffman reviewed the SBC-WorldCom contribution to determine whether anything should be added. The NANC added several administrative measures – utilization threshold, reclamation, sequential numbering, and pooling contamination levels – to the list. Mr. Guggina recommended that NANC decide how to conduct a study to get empirical data and analyze the results. Chairman Hoffman suggested that the NANC form an ad hoc group to prioritize the issues. Ms. Kistner agreed and suggested that time be set aside at each NANC meeting to review several issues. She also recommended that 10-digit dialing be eliminated as an optimization strategy, noting that it is a consequence of specific measures.

Mr. Havens reminded the Council that several years ago he provided the NANC a contribution summarizing existing work available on NANP expansion and a copy of an Australian consumer survey study. Natalie Billingsley, NASUCA, provided background information on customer preference studies conducted in California about overlays versus splits.

Wendy Potts, Bell Canada, suggested that an ad hoc group would provide a good opportunity to reexamine work that has been done. Ms. Kistner noted that better data is available since 1998 when the NANC developed the NRO Report. At that time, no one knew where the numbers were. Ms. Kistner noted that company positions have evolved and there is more diverse participation on the NANC.

Chairman Hoffman directed the ad hoc group to determine (1) whether the NANC should form an IMG, (2) if so, define the scope of the assignment, and (3) suggest a timeline and expense budget. Mr. Gould will chair the ad hoc group and report to the NANC at the March meeting

Q. Other Business. None.

R. Next Meeting. March 20-21, 2001

VI. Action Items and Decisions Reached:

1. North American Numbering Plan Administrator (NANPA) Report. Peter Guggina will provide a summary of the current INC 500/900 guidelines and requirements. NANPA will provide a description of the contribution it intends to make to INC to

specify NRUF reporting for 500/900 numbers. NANP and NARUC will work out a more complete understanding of information to be provided in standard reports including identification of information to be made publicly available.

2. NANPA Oversight Working Group (NOWG). The NOWG will review and track issues raised concerning NANPA's performance. It will clarify the description of the performance escalation process. The NOWG Chair will notify the NANC Chairman if the workload becomes excessive.
3. Toll Free Access Codes IMG. NANC will consider competitive bidding and tariff issues at the March meeting. Any additional contributions on the issue of tariff structure or bid should be provided to John Manning for posting at www.NANC-Chair.org. The IMG will present the technical requirements at the March meeting.
4. Local Number Portability Administration (LNPA) Working Group. The LNPA Working Group will reconsider resolution of PIM 5 (Inadvertent Porting) to require 24x7 coverage for carriers engaged in porting by persons with authority and ability to compel a corrective port. The LNPA Working Group will review NIIF Issue 134 to determine if additional insights can be provided. The LNPA Working Group will work with the NAPM to provide process flows and Statement of Work (SOW).
5. Reseller CIC IMG. IMG will present a draft report in March and final report in April.
6. Big Picture Discussion. An ad hoc group was formed and will be led by Ed Gould. The group will address: (1) Whether an IMG should be formed to further address these issues; (2) If the recommendation is positive, refine the scope of the assignment; and (3) Suggest a time line and expense budget.